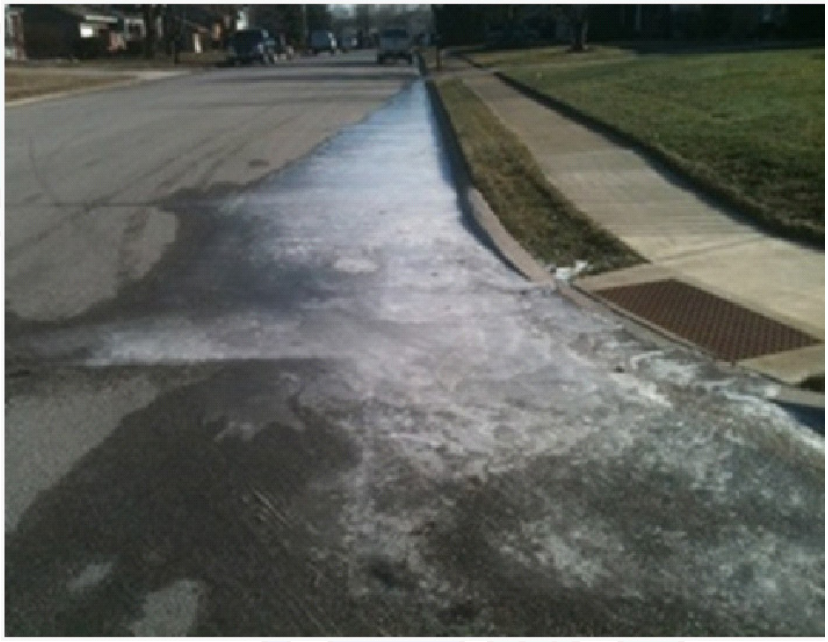
CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

Bar Barry Heights - Sump Pump Discharge

A residential sump pump discharges into the road, causing hazardous driving conditions. This becomes increasingly hazardous during the winter when the surface water freezes, and spreads into the intersection of Barlow Street and Covington Street. This is a public hazard, and poses significant risk to the driving public. The preliminary alternative for this project includes the pricing for extending storm sewer service to point of discharge, and the restoration of existing pavement and curb & gutter.



Highlights

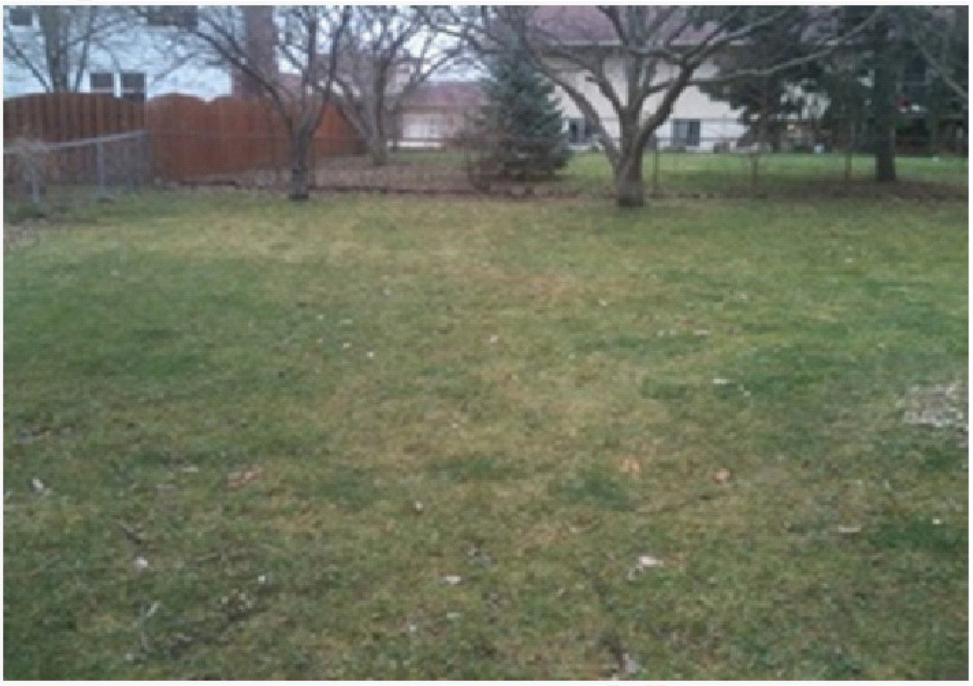
Project: Sump Pump Discharge in Bar Barry Heights
Estimated Project Cost: $50,250
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

Bar Barry Heights - Resident Yard Flooding

The general drainage patterns of the surrounding properties causes the backyard of one resident off of Sparta Street to flood and hold water during rain events. This standing water can become a health hazard during the muggy Indiana summers, when mosquito reproduction cycles have a quick turnover and only require small areas of standing water. The preliminary alternative for this project includes the pricing for extending storm sewer to the resident's backyard to relieve standing water issues. This alternative also has perforated piping being installed within the yard, to help infiltrate the water prior to entering the existing storm sewer.



Highlights

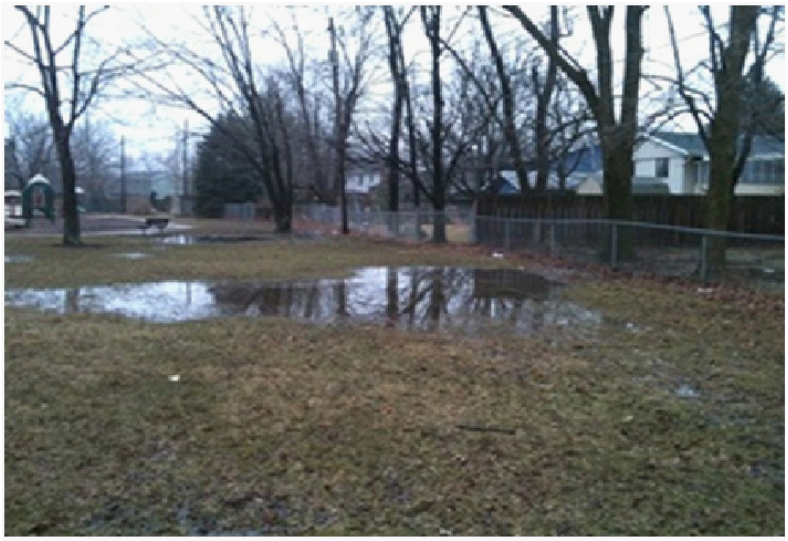
Project: Resident Yard Flooding in Bar Barry Heights
Estimated Project Cost: $117,500
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

George Lummel Park Flooding

The George Lummel Park has several areas that hold water after rain events, which mainly occurs along the property line between the park and residents. This standing water can become a health hazard during the muggy Indiana summers, when mosquito reproduction cycles have a quick turnover and only require small areas of standing water. The preliminary alternative for this project includes the pricing for rain gardens with a perforated underdrain system, site restoration, and restoration of existing pavement and curb & gutter.



Highlights

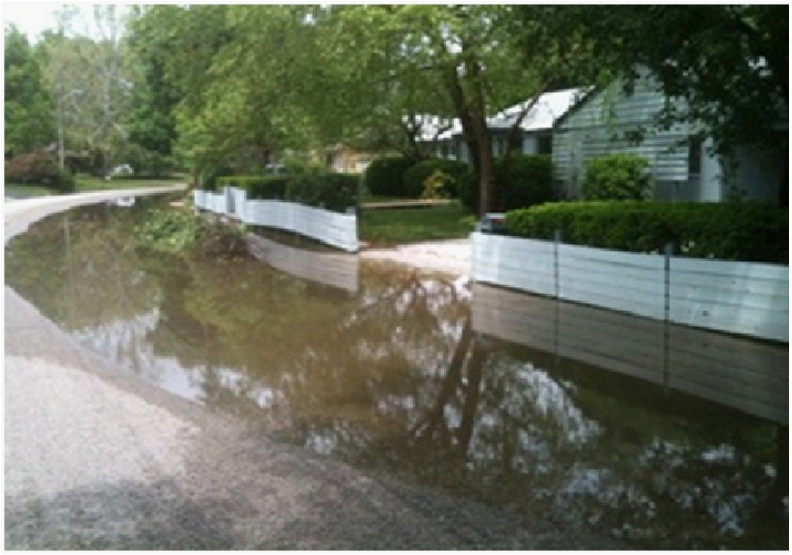
Project: George Lummel Park Flooding
Estimated Project Cost: $107,500
Status: Planning

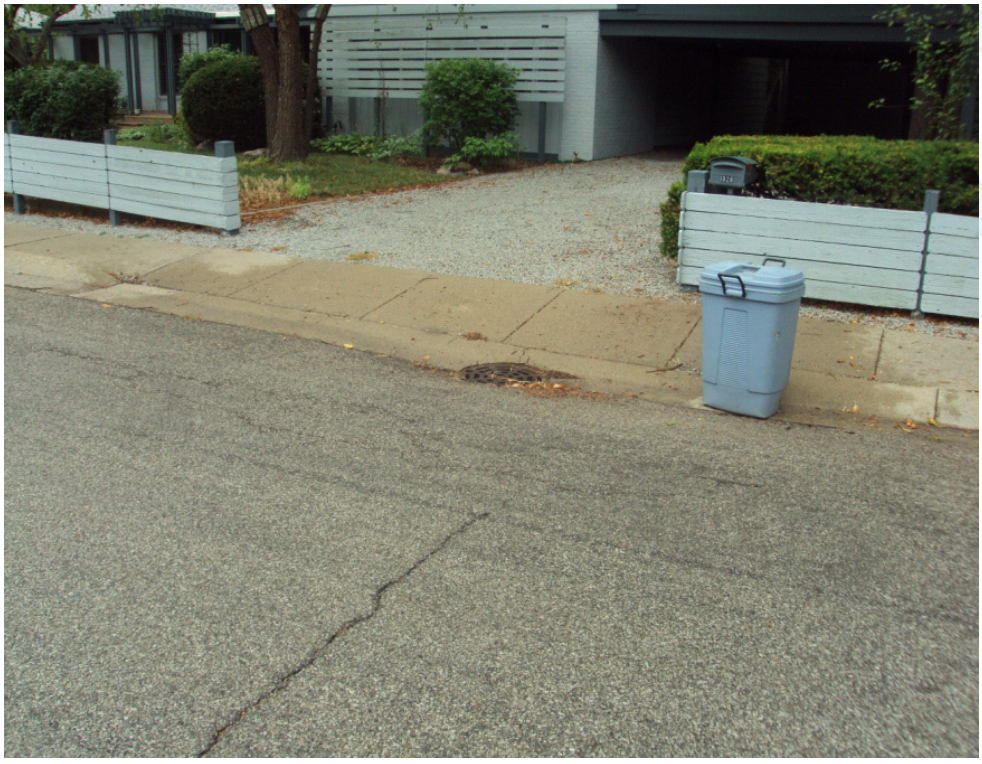
CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

Indian Trail Drive Street Flooding

Several complaints have originated due to chronic street flooding caused by a clogged inlet. This inlet requires routine maintenance by the home owner to clean off the leaves and other debris that get caught on the grating. The primary alternative for this project includes the pricing for adding one or two additional inlets to help with the flooding; and the restoration of pavement, curb & gutter, and sidewalk.





Highlights

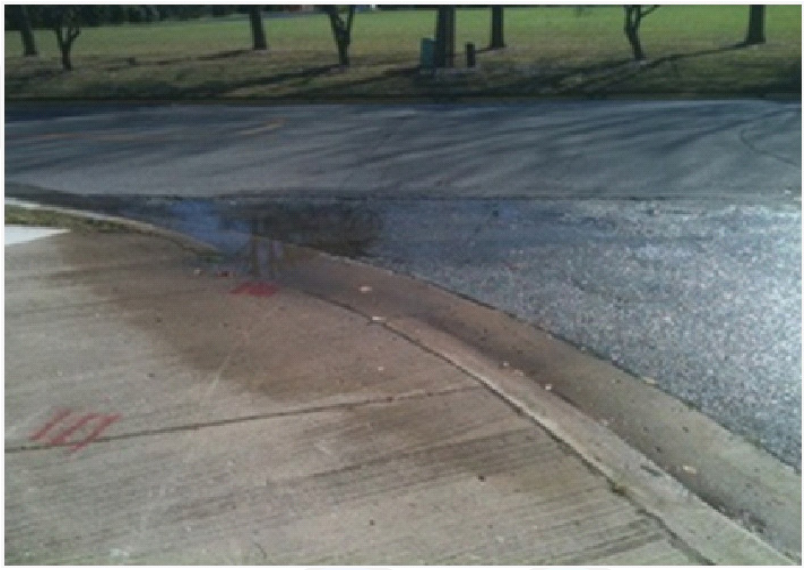
Project: Indian Trail Drive Street Flooding
Estimated Project Cost: $21,455
Status: Planning

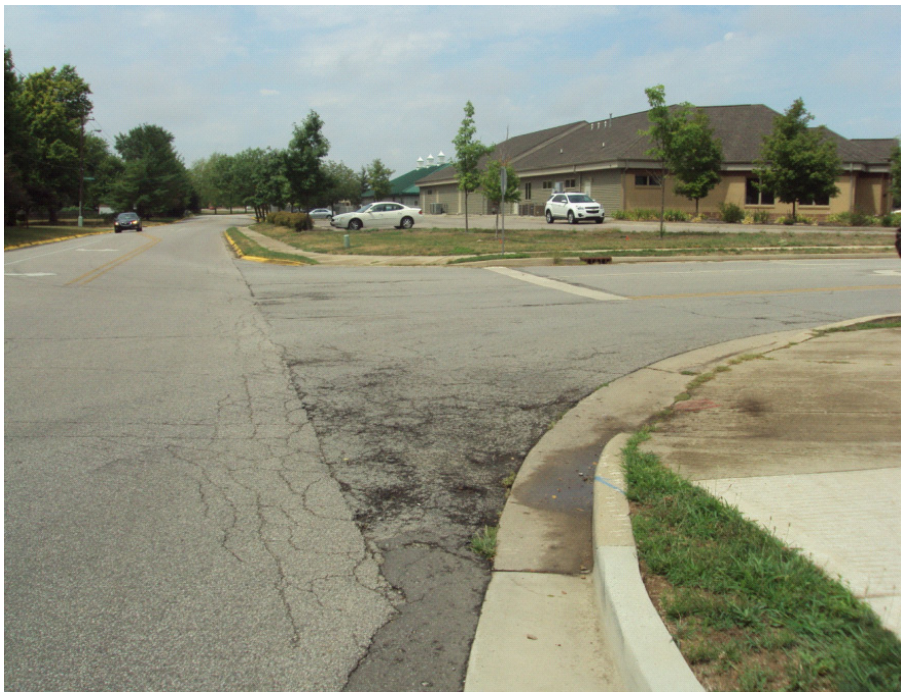
CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

Nighthawk and Navajo Intersection Flooding

The intersection of Nighthawk Drive & Navajo Street has a sufficient number of inlets; however, during construction the northeast corner of the intersection has become a low point. This area is currently not served by an inlet, which accumulates water during rain events and has way for water to reach the inlets. The preliminary alternative for this project includes the pricing for extending storm sewer to the low point, and the restoration of pavement and curb and gutter.





Highlights

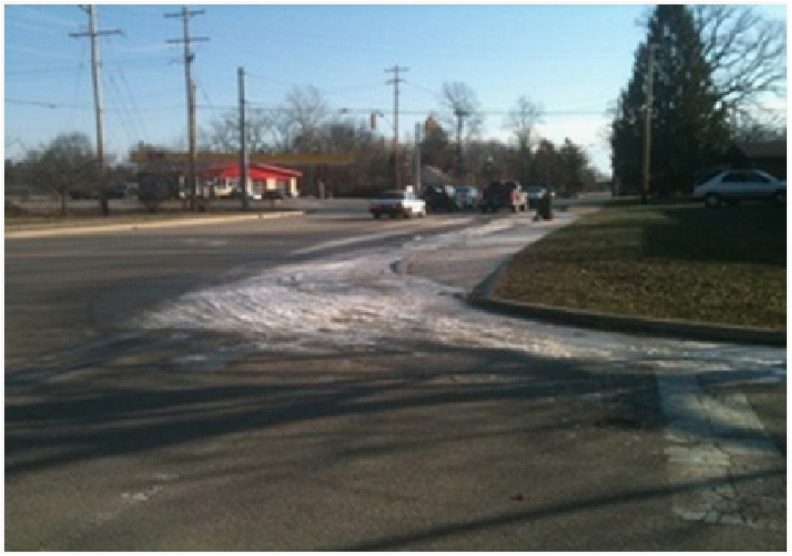
Project: Nighthawk and Navajo Intersection Flooding
Estimated Project Cost: $21,400
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

Northwestern Heights Sump Pump Discharge

The sump pump to the dentist office located at the intersection of Northwestern Avenue and Lindberg Road discharges into Lindberg Road. This is generally not an issue during the warmer months; however, during the colder months it is possible for the water to buildup and freeze causing 2 lanes of Lindberg to become a driving hazard. This is of particular concern when considering that Lindberg handles nearly 11,000 vehicles per day, and Northwestern Avenue handles nearly 26,000 vehicles per day at this intersection. The preliminary alternative for this project includes the pricing for extending storm sewer to the point of discharge; and the restoration of pavement, curb & gutter, and sidewalk.



Highlights

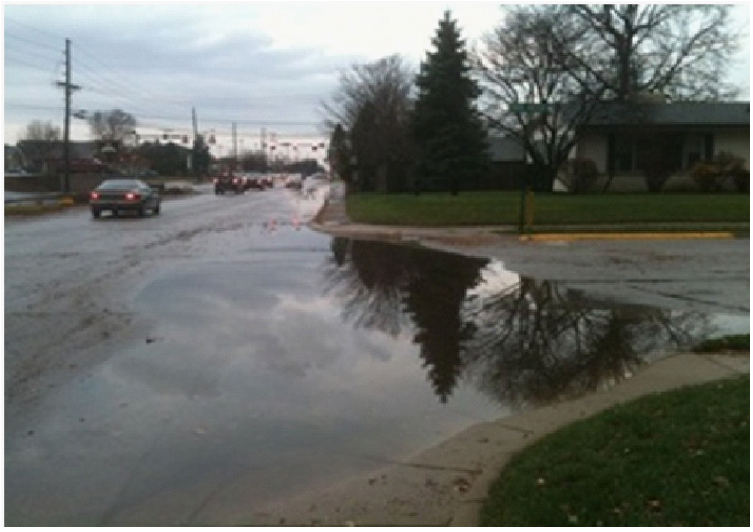
Project: Northwestern Heights Sump Pump Discharge
Estimated Project Cost: $72,855
Status: Planning

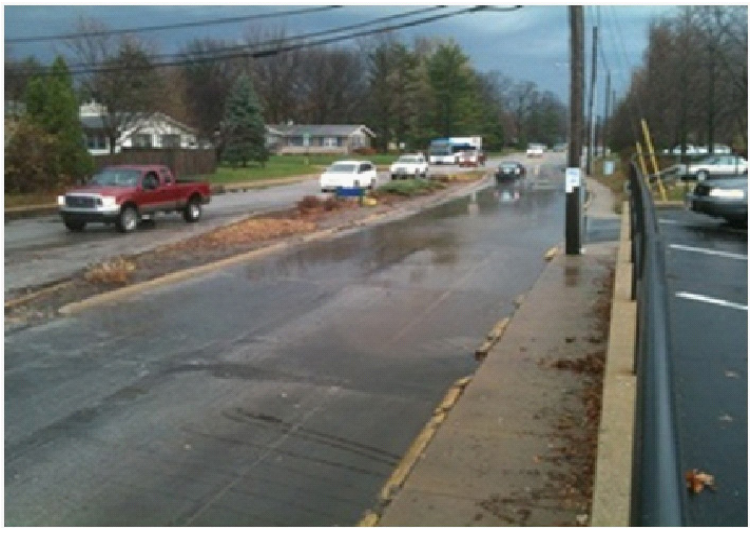
CITY OF WEST LAFAYETTE

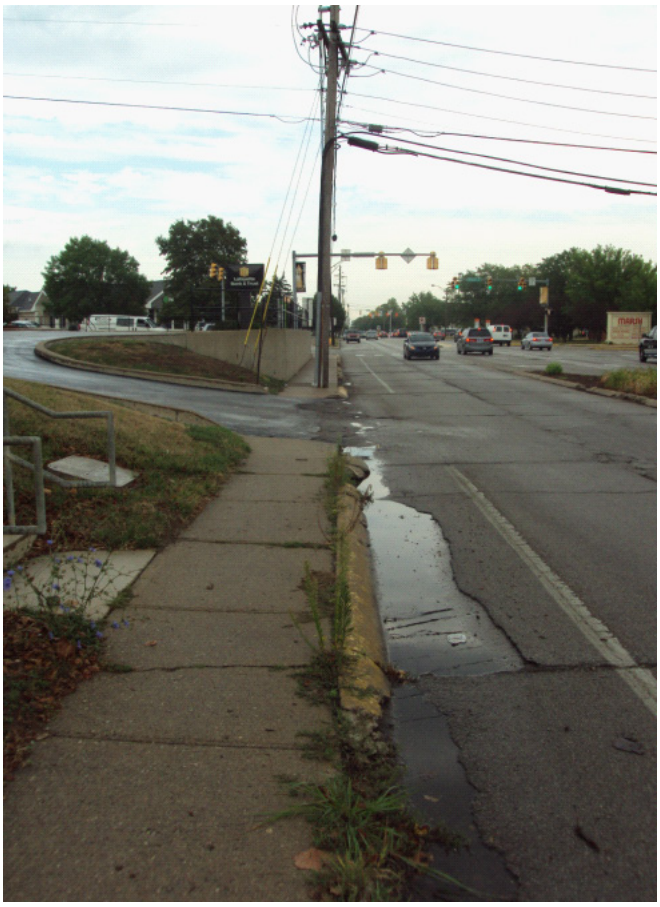
WET WEATHER PROGRAM

Salisbury Street - Two Projects

These two projects occur just south of the intersection between Salisbury Street & Navajo Street, where failing infrastructure has caused Salisbury Street to flood during moderate rain events. The curb & gutter along the project length has completely failed, and the pavement has begun to break and crack along the gutter line. This area also lacks proper inlet spacing, which contributes to the street flooding. The preliminary alternative for this project includes the pricing for replacing several inlets and pipes, installing new inlets and storm sewer, and the restoration of the pavement and curb & gutter.







Highlights

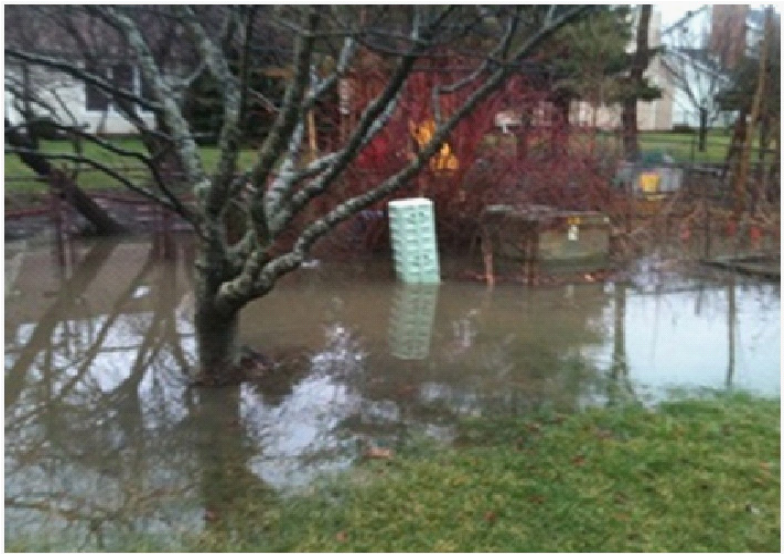
Project: Salisbury Street - 2 Projects
Estimated Project Cost: $112,450
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

University Farms - Benton Street Residential Flooding

Several residents along Benton Street and Hamilton Street have created a drainage issue by constructing fences within the drainage easement, as well as several large plantings within the drainage easement. This has caused the drainage to become insufficient in several areas, which is causing flooding and standing water in the backyards. This flooding has also inundated an electrical box within the backyards, but has yet to cause a catastrophic failure. The preliminary alternative for this project includes the pricing for extending sewer service to the backyards, and site restoration. The capacity of the downstream storm sewer for this alternative is a concern, as it is believed that it is already at capacity. This additional flow will be minor, but could still contribute to backups upstream from the point of connection.



Highlights

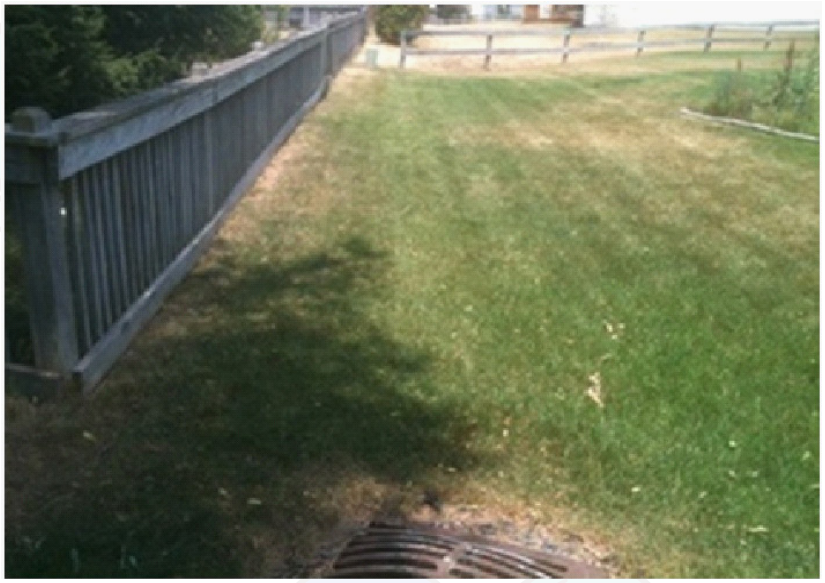
Project: University Farms - Benton Street Residential Flooding
Estimated Project Cost: $102,500
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

University Farms - Noble Court Residential Flooding

One resident has complained about poor drainage and standing water after the adjacent house was constructed. It is apparent that house that was newly constructed raised the ground elevation enough to force the surface runoff into the neighbor's yard. The preliminary alternative for this project includes the pricing for extending storm sewer to the newly created low areas, and regrade some of rear yards.



Highlights

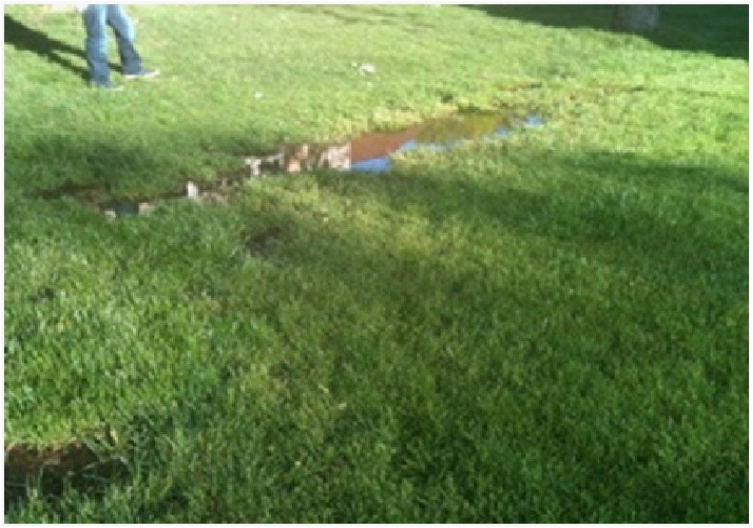
Project: University Farms - Noble Court Residential Flooding
Estimated Project Cost: $28,800
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

University Farms - Sullivan Street Residential Flooding

Poor drainage within resident backyards has caused some localized flooding and standing water during rain events. This flooding is normally not a concern; however, during larger storm events the waters reach an electrical box within a utility easement. The flooding has yet to cause any issues, but should the water infiltrate the insolated electrical lines it is possible for catastrophic failure. The preliminary alternative for this project includes the pricing for extending storm sewer to the low areas, and site restoration work.



Highlights

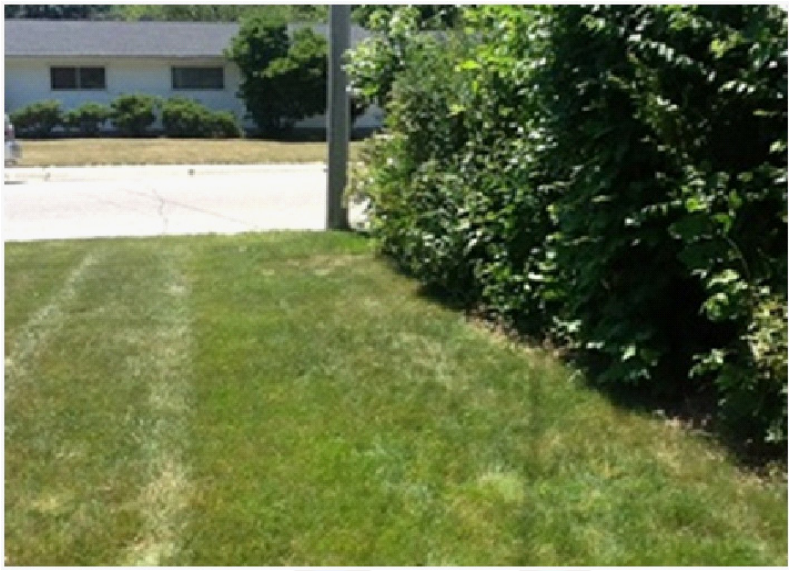
Project: University Farms - Sullivan Street Residential Flooding
Estimated Project Cost: $102,500
Status: Planning

CITY OF WEST LAFAYETTE

WET WEATHER PROGRAM

Wabash Shores Resident Yard Flooding

The general drainage patterns of the surrounding properties causes the backyard of one resident off of Indian Trail Drive to flood and hold water during rain events. It is also suspected that a large portion of this runoff occurs because when the church was constructed north of the property, there were lax or simply no storm water standards. This causes a large amount of surface runoff to enter the backyards of surrounding residents, which in turn drain toward the one resident with the yard flooding. This standing water can become a health hazard during the muggy Indiana summers, when mosquito reproduction cycles have a quick turnover and only require small areas of standing water. The preliminary alternative for this project includes the pricing for extending storm sewer to the resident's backyard to relieve standing water issues. This alternative also has perforated piping being installed within the yard, to help infiltrate the water prior to entering the existing storm sewer.



Highlights

Project: Wabash Shores Resident Yard Flooding
Estimated Project Cost: $100,500
Status: Planning